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Demonstration Train Will Be Interesting

The demonstration train operated by the agricultural colleges of Utah and Nevada over the lines of the Salt Lake route will spend the entire day of Thursday April 13th, at Panaca.

Never before has so complete an exhibit been carried on a train of this description, and, from educational and development standpoint its visit to Panaca gives the people of this section an opportunity must not be overlooked.

On board the train itself will be a series of exhibits forming an education in themselves. There is the exhibit of the Consolidated Wagon and Machinery company allied with the Holt Manufacturing company of California and the John Deere company of Illinois.

Allied to these plowing and tractor demonstrations will be the expert advice of Dr. W. E. Taylor, who is the soil expert for the John Deere company will be on hand, both in the field demonstrations of his firm's machinery but will also take part in the several meetings which form the real educational features of the train's tour.

This entire exhibit will include two cars one of which will be filled with the latest inventions in labor saving machinery. These devices will all be demonstrated and explained by experts accompanying the train.

One of the important exhibits of the train will be the car devoted to the demonstration of specialties manufactured by Fairbanks Morse and Co. These will include pumping plants, electric generating and operating plants, gasoline plants and many other new and practical devices for the development and operation of the ranch and farm. With the rapid advance in water discoveries, the subject of pumps and their operating power, whether gasoline or electricity, becomes most important and this exhibit shown in actual operation really points the way to the rapid and economical method of development, that will add many thousands of acres to the productive area of Utah and Nevada. A car will be devoted to the exhibit of the Utah-Idaho sugar company. Here will be demonstrated the best and surest methods for the successful cultivation of the sugar beet that has of late become so important a factor in intermountain prosperity. There will also be a demonstration of the household uses to which the finished product from the beet field may be put and experts will tell the story of sugar's value to the housewife both on board the train and in the meetings devoted to home economics.

Still another feature of the train will be the exhibit of the General Electric company which will possess special interest both for the men and women visitors. This corporation which has brought forward so many inventions for the modernization of the house and ranch, will show the very latest products ranging from a complete plant for the production of light and power down to the diminutive curling iron so prized by ladies of up-to-date ideas. On the list will also be washing machines, wringers, flat irons, heaters, stand lamps, suction sweepers, hand lanterns, electric ranges, ovens, toasters, broilers and chafing dishes with many other inventions for the practical use of what is destined to become the most servicable of earth's elements. No such complete exhibit has ever been available to the people of southern Utah and Nevada and with the rapid advance in the use of electricity within and without the house this showing of the General Electric company becomes especially important alike to the rancher and house wife.

HOME ECONOMICS CAR

Yet with this demonstration train of 1916 the housewife has an added advantage for the colleges have prepared still another car devoted exclusively to home economics. This car is under the personal direction of Miss Gertrude McCheyne and assistants and will be an exhaustive exhibit of everything modern in home development. There will be special meetings for the ladies at which Miss McCheyne and her assistants will give practical demonstrations in connection with interesting lectures. For these meetings special electric fixtures will be installed wherever electricity is available.

Three cars of the train will appeal particularly to the men. These are the college cars containing practical working models illustrating the latest methods for the handling of irrigation water and models of every class of farm and ranch structure. There will also be a car filled with the choicest live stock from which the rancher may learn to judge the points of animals in every type.

To educate the wool grower the government is sending a full car of wool exhibits with an experienced demonstrator to make plain the latest scientific methods of wool production.

These are only a few of the trains special features but the meetings to be held in connection with the exhibits are by far the really important features of the tour. Nothing has been left undone to secure the highest class of experts to take part in these meetings. In addition to Dr. Taylor of the John Deere company there will be Dr. E. G. Peterson, president, elect of the Utah Agricultural College, Prof. Charles S. Knight, dean of Nevada's Agricultural College, Prof. J. G. Scrugham, dean of Nevada's College of Engineering, Prof. John T. Kane III, Utah's famous expert on animal husbandry, Prof. L. M. Winsor, government irrigation expert, Prof. Ben R. Eldredge, the most practical dairyman in the entire west, Dr. F. S. Harris, Utah's leading expert in Agronomy, Prof. Byron Adler, an expert on poultry and poultry raising, Mr. J. W. Paxman, who was selected by the government as the best versed and most practical expert on dry farming and Miss Gertrude McCheyne who, with her assistants, will lecture upon and demonstrate home economics, the most important subject covered by the demonstration train.

With this gathering of talent, the educational possibilities of this train are unlimited and the agricultural colleges, allied with the Salt Lake Route hope that their combined efforts will prove of advantage to every resident of Utah and Nevada.

Will Soon Be Running

It is expected that the Con. Nevada Utah mill will be in operation during the coming week.

LITTLE INTEREST TAKEN IN PIOCHE SCHOOL ELECTION

Only seven votes were cast at the school election held in Pioche last Saturday, five of which were cast by women. The first of the "new voters" to deposit a ballot in the box provided for that purpose was Mrs. C. A. Thompson, who, with Mrs. May Franklin and Justice W. B. Harris, served as inspectors on election day.

There being no opposition to Dr. W. W. Stockham, for long term; and B. L. Smith, for short term trustees, they were accordingly elected unanimously.

In Panaca, according to reports received from there, the election proved to be an interesting one. There the women turned out very well and over 90 votes were cast in all. Mrs. Elizabeth Butler was elected long term trustee, Mrs. Rachel Danvers and C. P. Matthews, short term trustees.

COMMISSIONERS APPROPRIATE MONEY FOR THE ROADS

At a meeting of the board of county highway commissioners last Wednesday an appropriation of \$500 was made for the purpose of repairing the public road from the depot to the Pioche school house and from the head of Main street to the Pioche mine.

A delegation of citizens of Pioche and officials of the Prince Consolidated Mining company appeared before the board and after pointing out the fact that the road mentioned was badly in need of repair called attention to the fact that the Prince Consolidated company turned into the county a large part of the money collected from poll taxes and that under these conditions some of this money should rightfully be placed upon public highways of this vicinity. Accordingly the amount was appropriated and the matter is up to District Attorney Orr, one of the members of the commission, to see that the money is expended to the best possible advantage.

QUARTERLY REPORT OF SECRETARY OF STATE

George Brodigan, Secretary of state, has issued his quarterly report, ending March 31, 1916. The receipts from various sources are as follows:

Fees	\$6,185.00
Automobile Licenses	10,132.00
Statutes	110.00
Reports	219.00
Total	\$16,646.00

COUNTY COMMISSIONERS APPOINT NO GAME WARDEN

The county commissioners met in regular session last Wednesday with all members present.

An order was made discontinuing the allowance heretofore made monthly to W. E. Long and family of Panaca. The sum of \$2,000 was ordered



transferred from the jury fund to salary fund and the treasurer was so instructed.

In the matter of the appointment of a game warden for the present year, applications were received from Dave Wadsworth of Panaca; William Hammond of Uresine and William Davis of Caliente; but the board decided not to make an appointment at this time.

A communication was received from Mrs. C. A. Horn of Delamar advising that she could no longer take care of Dick Phillips, indigent, for \$15 per month, but would do so for \$20 per month. County Commissioner Wedge was instructed to find some one who would take care of the patient for the first named sum and in event no one could be found to have Phillips sent to the county hospital.

Panaca Wins Silver Cup

Panaca won by a small margin the field day contests pulled off in the high school town yesterday and will retain the silver cup which the Lincoln County High school presented as the trophy. The Pioche schools took second place, while Caliente the only other contestants, came out third.

The day's program opened with a written spelling contest, in which the winners, Mrs. Burke, Miss Connell, of Panaca, and L. H. Deason of Pioche, selected fifty words from lists of five hundred arranged by the three schools entered. In this contest Panaca entered 15 pupils, five of whom spelled all the words correctly, while the total number misspelled was 26, giving an average of 1.11-15 words per pupil.

The Pioche schools entered a class of 15, eight of whom spelled all the words while the total number misspelled was 21, giving an average of 2.5-12 per pupil.

The Caliente school entered a class of 13, three of whom spelled all the words correctly, while the total number misspelled was 55, giving an average of 4.3-13 per pupil.

This gave Panaca the lead, with Pioche second.

In the composition contest, two pupils were chosen from each school. The subject selected by the judges was: "A Description of Our School Building and Its Surroundings." Pioche triumphed in this contest, while Panaca came out second.

The first ball game was won by Panaca in a score of 10 to 21 over Caliente. In the next, Pioche won over Panaca. At the end of the fourth inning, the score stood 23 to 1 in favor of Pioche, when Panaca withdrew. Then followed a game between Pioche and Caliente, the former winning in the ninth inning in a score of 13 to 4.

In an exciting potato race in which girls entered, Panaca won, Pioche second.

Caliente bested all opponents in the pole climbing contest; Panaca came in second, while the Pioche boys took third place. In the 100-yard dash, Panaca came out first, Pioche second and Caliente third; while in the relay race, which came immediately following the two ball games participated in by the Pioche boys, Panaca carried off first honors, Caliente second and Pioche third. This gave Panaca the lead in the number of boys and will retain the cup for at least another year. It is planned to have similar contests next year and in 1918, the cup will become the property of the school gaining the greater number of boys.

The teachers and pupils of the schools entered into the contest with enthusiasm and altogether the first field day of the Lincoln county schools was a huge success. The residents of Panaca served a delicious free luncheon and they are deserving of the highest commendation for the hospitality displayed. About ten auto loads of people went down from Pioche to attend the exercises.

The idea of making this an annual event, Principal J. R. Smith of the Lincoln County High School, took up the matter of having field day events with the principals of the various schools of the county sometime ago and he certainly is entitled to due credit for having started this progressive movement which is bound to result in much benefit to the public schools.

MATERIAL ORDERED FOR PRINCE CON. PLANT

Material has been ordered and practically all the equipment for the new plant to treat the dumps owned by the Prince Consolidated at Bullionville, Nevada. According to general manager Murray C. Godbe the plant should be finished by July. Relative to the work on the plant Mr. Godbe says:

"During the year many tests have been made to determine the best process for the treatment of this material which consists of 120,158 measured tons in the two pits, the average assay being .110 ounces gold, 10.6 ounces silver and 6.7 per cent lead. The best results having been obtained in a preliminary way by means of oil flotation, a complete test plant was installed at the mine by C. F. Sherwood, metallurgical engineer, and a series of tests made, employing that process. The results were highly satisfactory. An average sample was then taken to Salt Lake and checked tested by the general engineering company of that place. C. F. Sherwood, who has had charge of the experimental work, has made a complete report, part of which says:

"Planning the value of the product obtained from flotation at its market value on the basis of \$6 per 100 pounds of lead and 50 cents per ounce of silver, with smelter deductions, we have a recoverable value per ton of tailings of \$3.018. Deducting the total cost of handling and obtaining these values of \$4.255, which costs include all overhead charges, amortization on plant, etc., leaves a total net profit per ton from flotation of tailings treated of \$3.76. This on 120,000 tons amounts to \$451,200, net revenue derived from tailings. It is the writer's opinion that the recoveries will be greater in actual practice than those we have figured.

"Work has been done along the lines of cyaniding the tailings after flotation to increase the gold and silver recovery, and I am confident that it will realize at least \$186,400 net revenue.

Conclusion—From the above and the work that I have done on your tailings I strongly recommend that work at once be started upon the erection of the mill. You have in actual sight, sure of recovery, \$451,200 from flotation, net, with the additional recovery by cyaniding of \$186,400. Using extremely conservative figures in making this estimate, it is the writer's opinion that the net recovery will be in excess of \$700,000."—Deseret News.

Will Open Law Office

F. E. Wadsworth of Panaca was in Pioche Wednesday looking for a location for a law office which he will open about May 1st.

Mr. Wadsworth will be a candidate for district attorney at the next election and he has many friends who are boosting him for the place.

Doc Marco Returns From Copper Diggings

Harvesting the Wool Crop

Sheep shearing is in full swing in the northern part of the state, and at Jackson Creek, near Winnemucca, where the grazing is good, about 20,000 head will be clipped.

ARBOR DAY

Governor Boyle has designated Friday, April 14, as Arbor Day.

HALF MILLION TURKS FACING STARVATION

APPEAL TO AMERICAN RED CROSS FOR ASSISTANCE AUTHORIZED BY THE GOVERNMENT.

Supplies Cannot be Shipped to Turkey From America Because of Blockade, But May be Sent from Roumania.

Washington. — The American Red Cross received word Saturday that Turkey for the first time is ready to accept aid for 500,000 of her citizens, who face starvation. Hundreds, it was said, are dying for lack of food. Ten thousand dollars was cabled to fill immediate needs.

A message from Red Cross agents in Turkey said the American organization would be permitted to co-operate with the Red Crescent. The dispatch added:

"Great suffering throughout country, particularly at Constantinople and suburbs along shores of Marmora, at Adrianople, Brusa and Smyrna. These people, 500,000, not comprising Armenian refugees, need help for bread. Hundreds dying of starvation. No relief in sight. Typhus is spreading with high mortality."

Supplies cannot be shipped to Turkey from America because of the allies' blockade and foodstuffs probably will be purchased by the Red Cross and sent from Roumania.

DODD'S MEN IN PURSUIT.

American Troopers Making Every Effort to Wipe Out Survivors of Villa's Band.

Columbus, N. M.—Riding mercilessly, 400 American troopers under Col. George A. Dodd are making desperate efforts to capture or wipe out the survivors of Francisco Villa's largest command, which they defeated at San Geronimo ranch, according to meager reports seeping across the border.

Although the pursuit by the Americans is a new experience for Villa, one he has never met in all his years of guerrilla warfare, army men here are not inclined to minimize the task before Colonel Dodd. The Guerrero district in which Villa, with a price on his head, was able for eight years to escape capture by Porfirio Diaz's rurales, abounding as it does in caves, canyons and almost impassable mountain trails, all screened from the eyes of air scouts by heavy growths of mountain pines, is admittedly one of the most isolated regions in Mexico and the one in which the bandit has the largest number of friends.

ENGLAND RAIDED BY ZEPPELINS.

Scores Killed and Many Wounded in Series of Attacks.

London.—With the exception of the big air raid of January 31, when the casualties were sixty-seven persons killed and 117 injured, the Zeppelin raids of Friday and Saturday nights caused greater loss of life than any previous aerial attack this year.

The total casualties for the two nights, according to an official report, were 59 persons killed and 166 wounded.

GO BACK TO CHIHUAHUA.

Americans Who Fled When Soldiers Crossed Border See No Danger Now.

El Paso.—Eight Americans, who came to El Paso from Chihuahua City when the United States soldiers crossed the border, returned to the Mexican state capital Wednesday. They said they felt certain that all danger of molestation had passed.

Air Raid on Turks.

London.—A successful aerial raid on the Turkish advance base at Bir el-Hassanah, 100 miles east of the Suez canal, is reported in a Reuter dispatch from Suez. The raid was made by British airmen on March 24.

Dr. L. Marco returned early in the week from a trip to his copper property down on the Colorado river in Arizona bringing with him some samples of copper ore that look "good enough" to eat and the doctor relates that there are lots of more just like it exposed in the mine.

During his recent trip the doctor spent several weeks in making a critical examination of the property having with him, Mr. C. E. Moulton, the well known mining engineer. Satisfying himself as to the physical conditions, attention was then directed towards devising ways and means for transporting the ore to market. At the beginning it seemed to be one of the greatest difficulties to surmount; but investigations has disclosed that about eight miles below the mine, the canyon narrows down until the distance across the river is only about 200 feet. By means of a rope tawway the ore can be conveyed across the Colorado and from there it would be smooth sailing by auto truck to Peach Springs, a station on the Santa Fe, about 23 miles away. At Peach Springs the ore would be loaded onto cars and shipped to the Needles smelter.

Meanwhile, the problem of getting the ore down to the point on the river where it is proposed to dam it across, has been solved, temporarily at least, by pressing the faithful burro into service and the doctor has arranged for the purchase of fifty of these animals. While it is possible to build a good road from the property to the river's edge, the undertaking would take a little time and money and besides engineers are in the field now making the preliminary surveys preparatory to the erection of a large dam across the river which would result in very materially improving the transportation situation at the Marco mines. With the dam once in, it would then be possible to utilize boats to advantage in taking the ore down stream. The mine is located approximately 1000 feet above the river and the ore could be dropped down to the boats landing by gravity tram.

The doctor is planning to organize a corporation to undertake the development and operation of the property and will have associated with him some formidable eastern capital. The incorporation papers are now being drawn by Attorney Leo A. McNamee of Las Vegas and will be ready for filing in the near future.

It will probably be a month or more before the preliminary arrangements are concluded so that the doctor can get away; so meanwhile he will be in Pioche and Caliente giving his attention to his dental practice.

PIOCHE SCHOOLS HAVE A HOLIDAY IN PANACA

The Pioche schools were closed yesterday on account of the Field Day exercises at Panaca.

Several autos were pressed into service to convey the teachers and pupils to the high school town.

A. L. Will and Leonard Carman expect to leave today on a trip to Salt Lake to be present at the wedding of their sister Annie, which takes place next week.

LINCOLN COUNTY BONDS OWNED BY STATE

Late Thursday afternoon the state board of investments finally concluded its transaction for the sale of its Massachusetts bonds, says the Appeal. The board has sold \$128,000 par value of Massachusetts bonds, \$115,000 of which bears 3 per cent per annum, and \$13,000 that bears interest at 3 1-2 per cent per annum.

The bonds were sold to E. H. Rollins & Co., and the Nevada industrial commission for \$395,000 and accrued interest. With this money the board is purchasing \$128,000 par value of Lincoln county bonds bearing 4 per cent per annum at 90, the total purchase price being \$385,200.

By this sale of Massachusetts bonds and purchase of Lincoln county bonds the state board of investment increased the capital amount of the state permanent school fund \$10,200. In addition to this they increased the earning capacity of the fund \$2,900 per annum.

The Lincoln county bonds are redeemable serially commencing in 1918 and reinvestment of this capital, together with the increased interest, if reinvested at 5 percent over the same period as Massachusetts bonds will net the state an increased earnings about \$125,000.